

FIG. 1

FIGURE 2

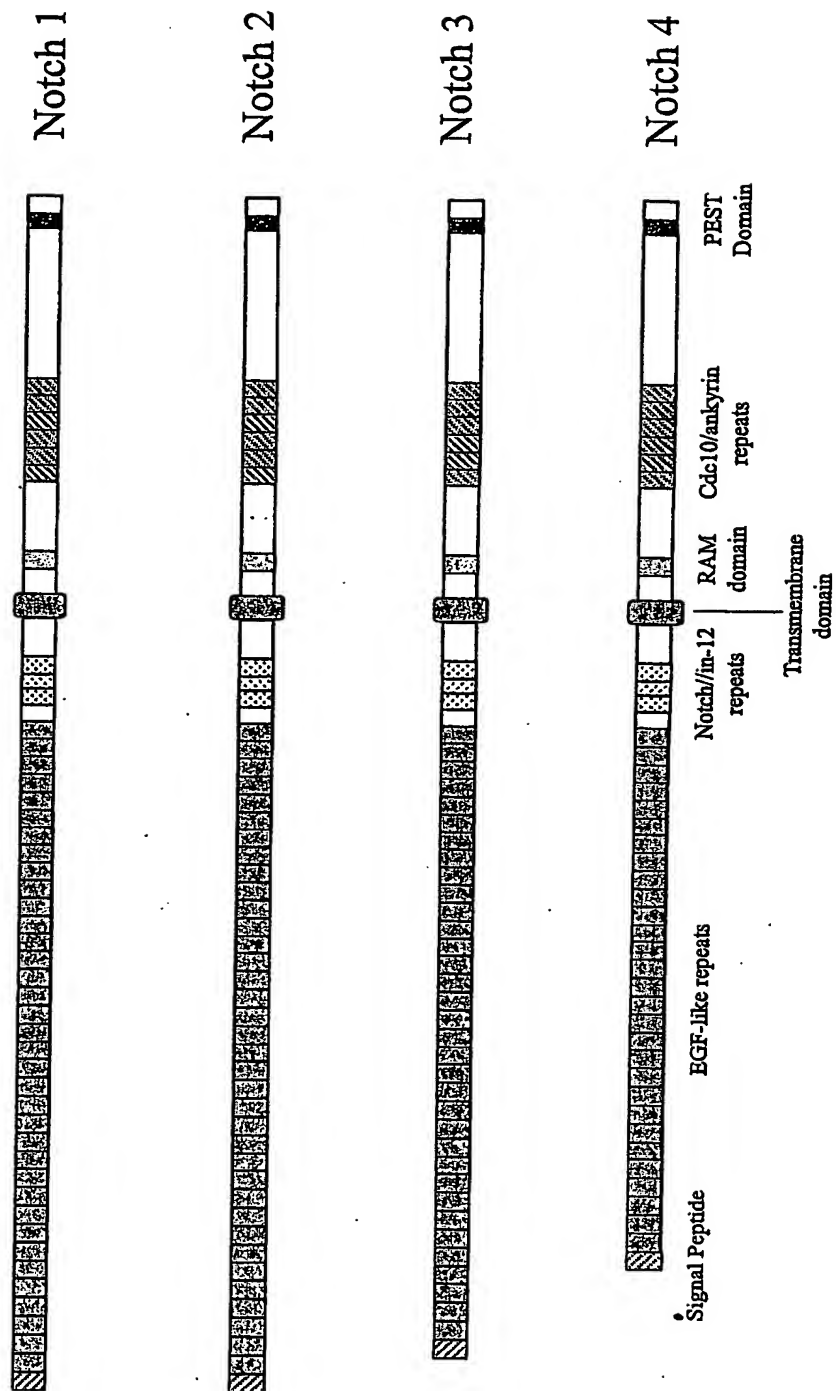


FIGURE 3

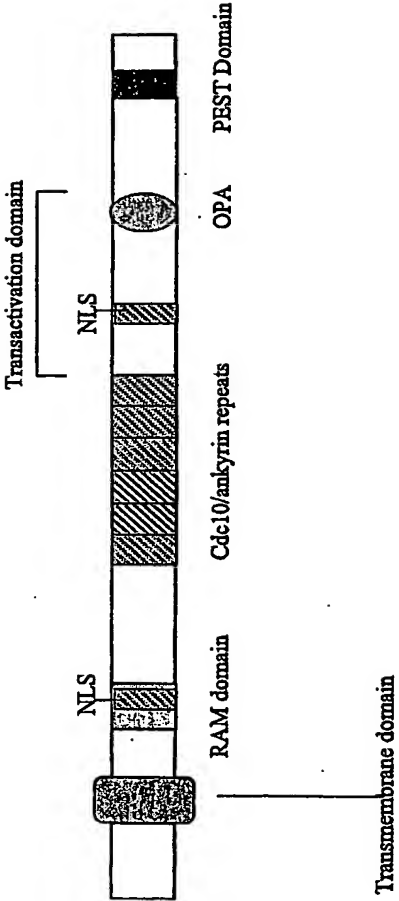
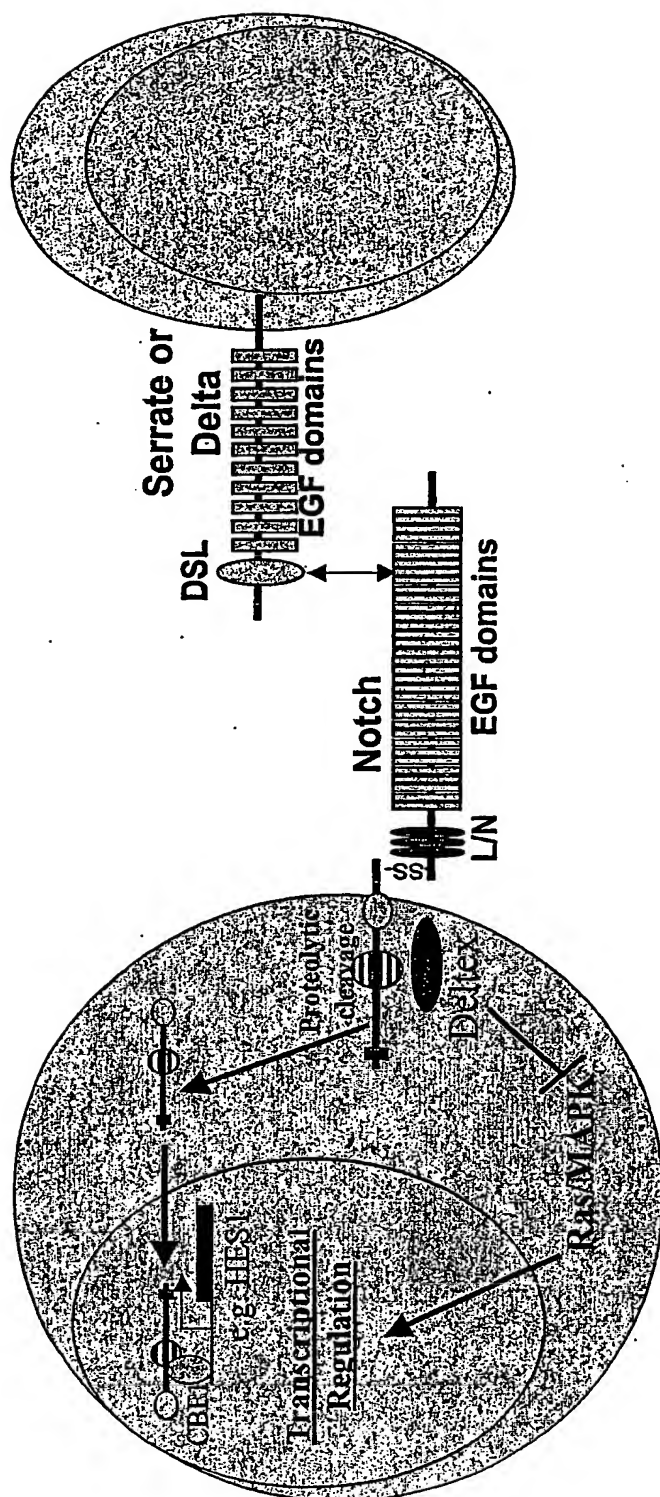


Figure 4



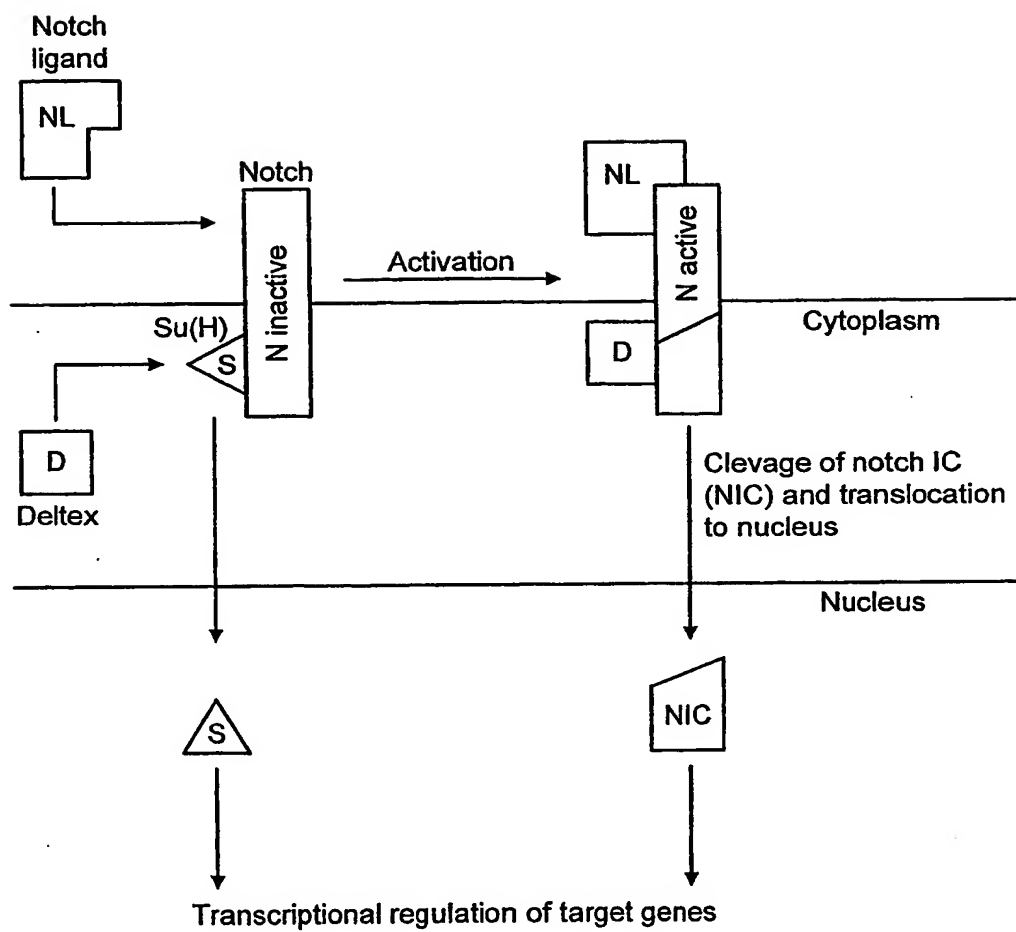


FIG. 5

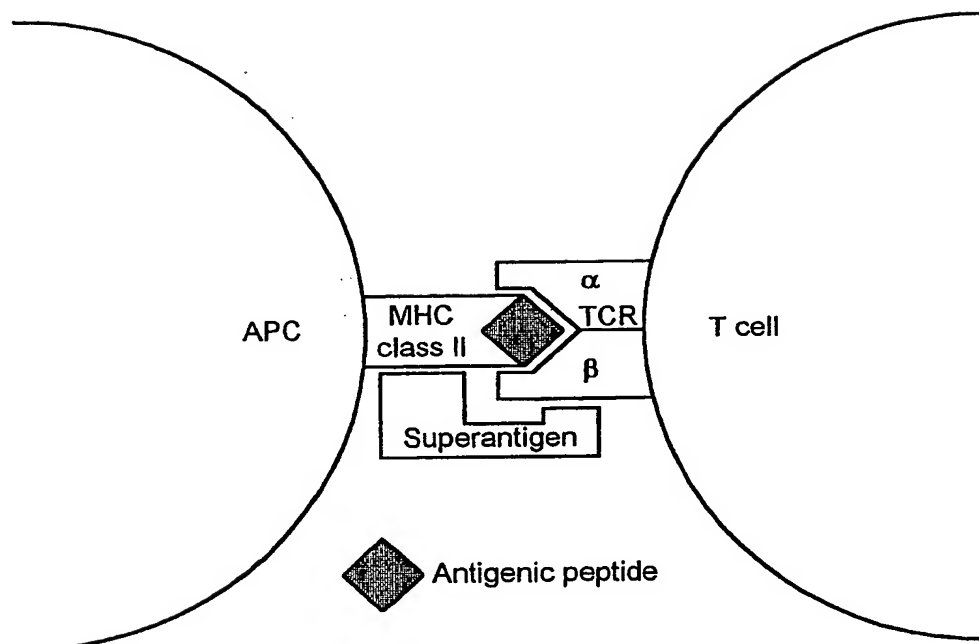


FIG. 6

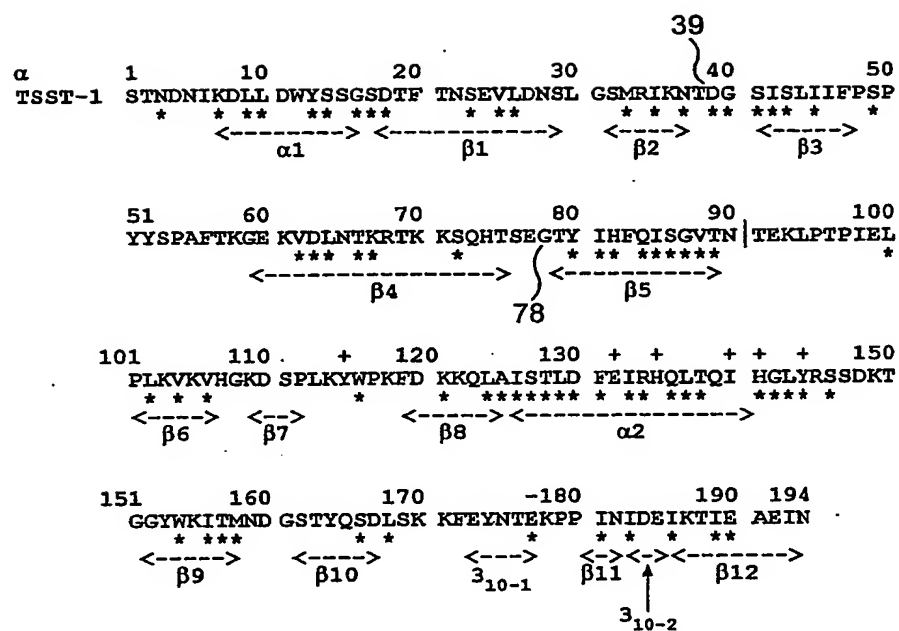


FIG. 7

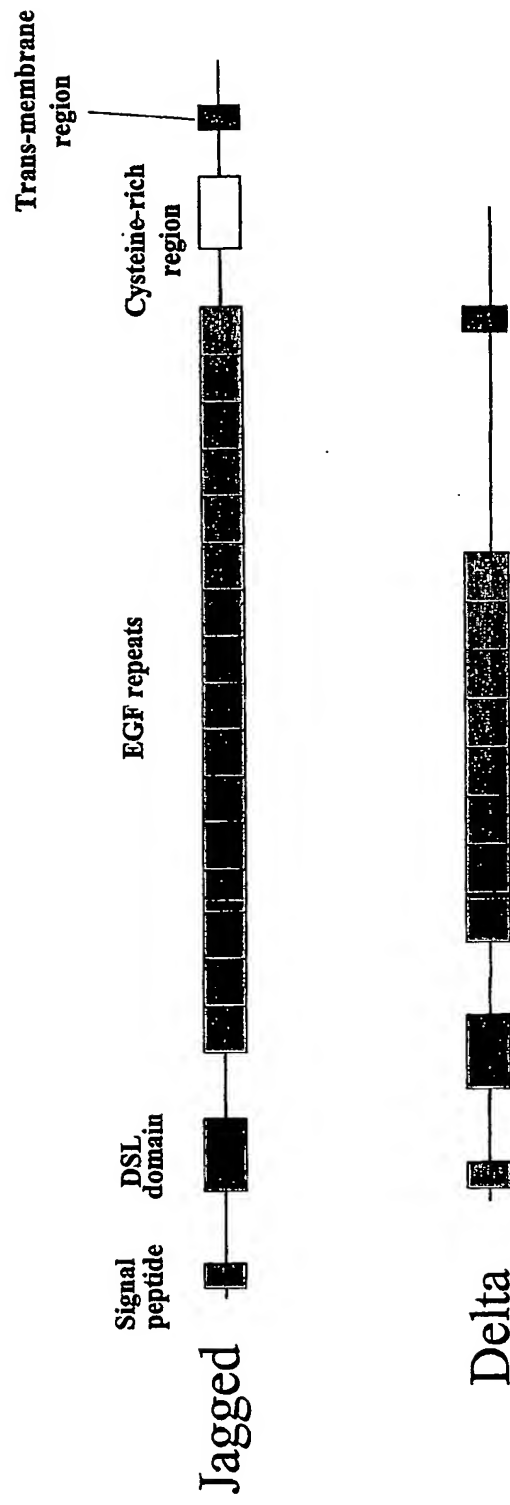


Figure 8

| | |
|--------------------|--|
| DL_DROME/164-226 | WKTKSESQ.....YT-----SLFYDFRVTCDLNYYGSGCAKFCRPRDDSFHSTCSTETGEIICLTGWQGDYC |
| DLL1_HUMAN/159-221 | WSQDLHSSG.....RT-----DLKYSYRVTCDEHYHGGCSVFCRPRDDAFGHFTCGERGEKVCNPGWKGPYC |
| DLL1_MOUSE/158-220 | WSQDLHSSG.....RT-----DLKYSYRVTCDEHYHGGCSVFCRPRDDAFGHFTCGERGEKMCDDPGWKQQYC |
| DLL1_RAT/158-220 | WSQDLHSSG.....RT-----DLKYSYRVTCDEHYHGGCSVFCRPRDDAFGHFTCGERGEKMCDDPGWKQQYC |
| DLL4_MOUSE/156-218 | WRTDEQNDT.....LT-----RLSYSYRVTCSDNYHGGCSRLCKKDDHFGHYECQPDGSLSLCLPGWTGKYC |
| DLL4_HUMAN/155-217 | WLLDEQNTST.....LT-----RLKYSYRVTCSDNYHGGCSRLCKKDDHFGHYECQPDGSLSLCLPGWTGKYC |
| Rat J1 (Q63722) | WQTLKQNTG.....LA-----HFEYQIRVTCDDHYHGGCSVFCRPRDDFFGHYACDQNGNKTCTMEGWMGPFC |
| Mouse J1 (Q9QXX0) | WQTLKQNTG.....LA-----HFEYQIRVTCDDHYHGGCSVFCRPRDDFFGHYACDQNGNKTCTMEGWMGPFC |
| Human J1 (015122) | WQTLKQNTG.....VA-----HFEYQIRVTCDDHYHGGCSVFCRPRDDFFGHYACDQNGNKTCTMEGWMGPFC |
| Chick J1 (Q90819) | WQTLKQNTG.....AA-----HFEYQIRVTCDEHYHGGCSVFCRPRDDFFTHHTCDQNGNKTCTMEGWTGPEC |
| Chick J2 (042347) | WKTQFNQNP.....VA-----NFEVQIRVRCDEHYHGGCSVFCRPRDDFFGHYACDQNGNKTCTMEGWMGPFC |
| Mouse J2 (Q9QYE5) | WKSLEHFSGH.....VA-----HLEIQIRVRCDEHYHGGCSVFCRPRDDFFGHYACDQNGNKTCTMEGWMGPFC |
| Human J2 (Q9UNK8) | WKSLEHFSGH.....VA-----HLEIQIRVRCDEHYHGGCSVFCRPRDDFFGHYACDQNGNKTCTMEGWMGPFC |
| Rat J2 (P97607) | WKSLEHFSGH.....VA-----HLEIQIRVRCDEHYHGGCSVFCRPRDDFFGHYACDQNGNKTCTMEGWMGPFC |
| Human J2 (Q9Y219) | WKSLEHFSGH.....VA-----HLEIQIRVRCDEHYHGGCSVFCRPRDDFFGHYACDQNGNKTCTMEGWMGPFC |
| SERR_DROME/221-283 | WKTLDHIGR.....NA-----RITTRVRVQCAVTTNTCTTFCRPRDDQFGHVACGSEGGQKLCINGWQGVNC |

Figure 9

Human Delta 1 (GenBank Accession No. AF003522)

MGSRCALALAVLSALLCQVWSSGVFEKLQEFVNKKGLGNRNCRCGAGPPPCACRTFRVCLKHYYQASVSPPECTYGSATPVVLGYVDSFSLPDGGGA
D SAFNP I R F P F G F T W P G T F S L I I E A L H T D S P D D L A T E N P E R L I S R L A T O R H L T V G E E W S Q D L H S S G R T D L K Y S Y R F V C D E H Y Y G E G C S V F C R P R D D A F G
H F T C G E R K E V C N P G W K G P Y C T E P I C L P G C O E Q H G F C K P G C K R V G M Q G R Y C D E C I R Y P G C I L F G T C Q Q F W Q C N Q C O E G W G G L F C N Q D I N Y C T H H K P C K N
G A T C I N T G Q G S Y T C S C R P G Y T G A T C E L G I D E C D P S P C K N G G S C T D L E N S Y S C T P P G F Y G K I C E L S A M T C A D G P C F N G G R C S D S P D G G Y S C R C P V G Y S G F
N C E K I D Y C S S S P C S N G A K C V D L G D A Y L C R Q A G F S G R H C D N V D D C A S S P C A N G G T C R D G V N D F S C T C P P G Y T G R N C S A P V S R C E H A P C H N G A T C H E R G
H G Y V C E C A R G Y G G P N C Q F L L P E L P P G P A V V D L T E K L E G Q G G P F P W A V A C A G T I V L M L L G C A A V V V C V R L R L Q K H R P P A D P C R G E T E T A N N L A N C O R E K
D I S V S I I G A T Q L K N T N K A D F H G D H S A D R N G F K A R Y P A V D Y N L V Q D L K G D D T A V R D A H S K R D T K Q P Q G S S G E E K G T P T I L R G G E A S E R K R P D S G C S T S K
D T K Y Q S V Y V I S E E K D E C V I A T E V

Human Delta 3 (GenBank Accession No. NM_016941)

MVS PRMSGLLSQTVILALIFLPQTRPAGVTELOIHSFGPGPGFAPSPCSARLPCLRFRVCLKPGLSSEAAE SPCALGAAL SARGFVYTEQPGCAPADL
PLPDGLLOVPPFRDAWPGTFSFIETWREELGDQIGGPAWSLLARVAGRRLLAAGFWARDIORAGAWELRFSYRARCEPPAVGTACTRLCRPRSPSRCGP
GLRPCAPLEDECEAPLVCRAGCSEEHGFCEQPGECRCLEGTGPLCTVVFVSTSSCLSPRGPSATTCGLVPGPGCDGNPCANGGSCSETPRSTECTCPRG
FYGLRCEVSGVTCADGPCFNGGLCVGGADPD SAYICHCPPGQGSNCEKRVDRCSLQPCRNGELCLDLGHALRCRCRAGFAGPCEHDLDDCAGRACANGG
TCVEGGGAHRCSCALGFGGRDCERADPCAA R P C A H G G R C Y A H F S E L V C A P G I M G A R C E F F V H P D G A S A L P A A P P G L R P G D P Q R Y L L P P A L G I L L V A A G V
A G A A L L L V H V R R R G H S Q D A G S R L L A G T P E P S V H A L P D A L N N L R T Q E G S G D G P S S V D W N R P E D V D P Q G I Y V I S A P S I Y A R E V A T P L F P P L H T G R A G Q R Q H L
L F P Y P S S I L S V K

Human Delta 4 (GenBank Accession No. AF_253468)

MAAASRSASGWALLLLVALWQRAAGSVFQLQLOEFINERGVLASGRPCEPGCRTFFRVCLKHFAVVSFGPCTGTGTVSTFVLGNTSFVRDDSSGGGRN
FLQLPFNTWPGTFSLIIEAWHAPGDDLRPEALPDALISKAIQGSILAVGQNWLLDQTSITLRLRYSYRVICSDNYGNC SRLCKKRNDHFGHYVCQP
DGNLSCLPGWTGEYCOQPICLSGCHEQNGYCSKPAECLCRPGWQGRILNECIPHNGCRHGTCSTFWQCTCDEGWGGLFCDDQDLNYCTHSPCKNGATCSNS
GQRSYTCTCRPGYTGVDCELELSECDSNPCRNNGGSKDQEDGYHCLQPPGYTGLHCHSTLSCADSPCFNNGGSCRRNQGAN YACECPFNFTGSNCEKKVD
RCTSNPCANGGQCLNRGFSRMCRCPGFTCTYCELVHSDCARNPCAHGGTCHDLENGLMCTCPAGFSGRCEVRUSIDACASSPCFN RATCYTDLSTDTFY
CNCPTGCVGSRCEFFVGLPPSPFPWAVAVSLGVGLAVLLVLLGAVAVARQLRLRRPDDGSR EAMNLSDFQDNLIIPAAQLKNTNQKKELEVDCGLDKSNCG
KQONHTLDYNLAPGLGRGTMPGKFPHSDKSLGEKAPLRHSEKPECKISAICS PRDSMYQSVCLISEERNECVIATEV

Figure 10

Human Jagged 1 (GenBank Accession No. U73936)

MRSPTTRGRSCRPLSLLALLCALRAKVCASGQFELEILSMQNVNSELONGNCCGARNPGDRKCTRDECDTYFKVCLKEYQSRVTAGSPCSFGSG
STPTVIGNTENLKA SRGNDRNRLVLPFSFAWPRSYTLIVEANDSSNDTVQPSIIEKASHSGMNP SRQWTLKQNTGVAHFEYQIRVTCDDYYTGF
GCKFCRPRDDFFCHYACDQNGKTCMEGWMGPECNRAICRQGCSPKHSCKLPDCRCQYQWGLYCDKCIPIHPGCVHGINENFWQCLCEETNWWGQ
LCDKDLNYCGTHQPCINGGTCNTGPDKIQCSPGYSGNCELAETHACLSDPCHNRSGCKETSLIGFECESPGWTGPTCSTNIDDCSENNCSHGST
QDILVNGFKVCVPPQWTKTQOLDANECEAKPCVNAKSCRNLIASTYCDCLPGWQNCIDINIDCLGQCNDAASCRDLVNGYRCICPPGYAGDHCE
RDIDECASNPCINGCHCONEINRFQCLPTGFSNLCQOLDIDYCEPNPCQNGAQCYNRASDYFKCPEDEYEGKNC SHLKHCRITTPCEVIDSCTVAM
ASNDTPEGVYIISNVCGPHCKKSQSGGKFTCDCKNGFTCTYCHENINDCESNPCRNGGTCIDGVNSYKICISDGWEGAYCEININDCSQNPCHNG
GTCRDLVNDFYCDCKNGWKGTCHSRDSQDCEATCNGGTCYDEGAFAKCMCPGGWETTCNTIARNSCLPNPCHNGGTCVNVGE SFTCVCKEGWEG
PICAQNTNDCSPHPCNSGTVDGDNWYRCECAPGFAGPDCRININECQSSPCAFAGATCVDENGYRCVCPPHSGAKCQEVSGRPPCITMGSVIPDG
AKWDDCNTQCLNGRIACSKVWCGRPCILLKHGSECPGQSCIPILDDQCFVHPCTGVGECRSSSLQPVTKTCTSDSYQDNCANITFTFNKEMM
SPGLTTEHICSELNRLNLIKVNBAEYSYIACEPSPANNEIHWAI SAEDIRDDGNPIKEITDKIIDIVSKRDGNSSLIAAFAEVRVQRPLKNRTD
FLVPILLSVLTAWICCLIVTAFWCLRRKRP GSHTHSASEDNTTNVREQLNQIKNP IEKHGANTVPIKD YENKNSKMSKIRTHNSEVEEDDMDKH
QQKARFAKQPAYTLVDREKPPNGTPTKHPNTWTKQDNRDLES AQSLNRMETIV

Human Jagged 2 (GenBank Accession No. AF029778)

MRAQGRGLPRILLALLALWQAARPMGYFELQLSALRNVNSELLSGACCDGDRTRAGGCGHDECDTYVRVCLKEYQAKVTPGTGPCSYGHGATPV
LGGNSFYLPAGAACDRARARAGGDQDPLVVIPEQFAWPRSYTLIVEANDNDTTPNEELLIERVSHAGMNPEDRWKSLHFSGHVAHLELQI
RVRCDENTYSATCNKFCRPRNDFGHTYCDQYGNKACMDGWMGKECKEAVCKQGNLLHGGCTVPGECRCYSYQWGRFCDECVPIPGCVHSGSVPEPW
QCNCE TNWGLLCDKDLNYCGSHHPCINGGTCINAE PDQXRTCTPDGYSGNCEKAEHACTSNPCANGSGSHEVPSGFECHPCPSGWSGPTCALDIDE
CASNPAAAGTCDVDQVDGFEICICPEQWVGATCQOLDANECEKPCINAFSCRNLIGGYDCIIPGWKGINCHINVND CRGQCQHGCTCKDLVNGYQCV
CPRGFGGRHCELERDKCASSPCHSGGLCEDLADGFHCHCPQGFSGPLCEVDVDLCEPSPRNGARCYNLEGYCACPDDFGKNC SVPREPCFGGA
CRVIDCGSDAGPQMGTAASGVCGPHGRCVSQPGGNFSCI CD SGFTGTCHENIDDC LGQPCRNGGTCIDEVDAFRFCPSGWE GELCDTNPNDCIL
PDPCHSRGRCYDLVNDFYCACDDGWKGTCHSREFQCDATYCSNGGTCYDSDTFRACAPPGWKSTCAVAKNSCLPNPCVNGGTCVSGSASFSCI
CRDGWEGRCTHNTNDCNPLPCYNGGICVDGVNWFCECAPGFAGPDCRINIDECQSSPCA YGATCVDENGYRCSCCLPNPGRAGPRCQEVIGFGRSCW
SRGTPEPHSSWVEDCNSCRCLDGRDCSKVWGWKPCILLAGQPEALSAQPLGQCLEKAPGQCLRPPECEAWGECGAEPPSTPCLPRSGHLDNNC
ARLTLEHNRDHPQCTTVGAICSGIRSLPATRAVARDRLLVILCDRASGSAAVEAVSFSPARDLPDSSLIOGAHAHIAVAITQKNSSLIAYTE
VKVETVVTGSGSTGLLVPLCGAFSVLWLACVVLVWTKRKRERERSLIPREESANNQWAPLNP TRNP IERPGCHKDVL YQCKRNF T PPRRADEA
LPQAPAGHAAVREDEDEDLGRGEEDSLEAEKELSHKETOPGRSPGRPAHWSGPKVDNRAVRS INEARYAGKE

Figure 11